Member Richard Healing

National Transportation Safety Board

Sharing Information and Emerging Technologies

NDIA – NET3 Conference

July 24, 2003

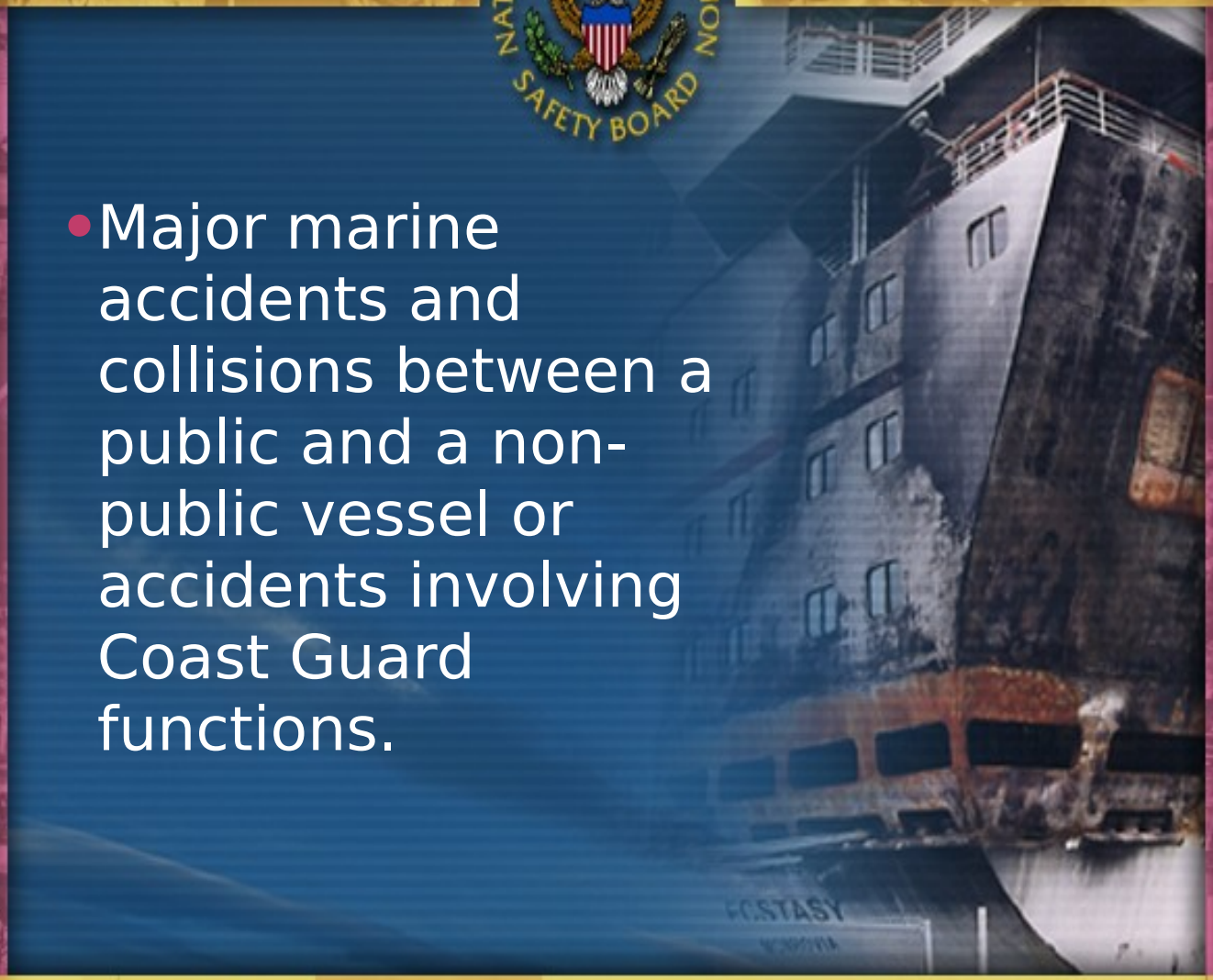
www.ntsb.gov

The NTSB is Responsible for Investigating:

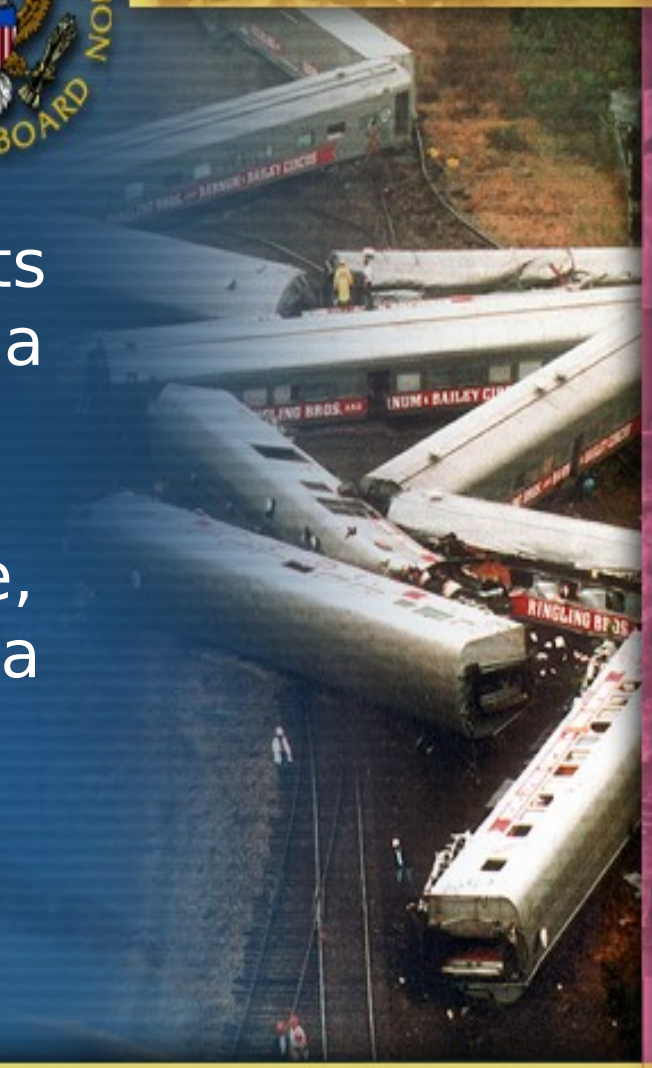
- All U.S. civil aviation accidents and certain public use accidents

- Highway accidents (including certain grade-crossing accidents) which involve issues of wide-ranging safety significance.

- Major marine accidents and collisions between a public and a non-public vessel or accidents involving Coast Guard functions.



- Railroad accidents in which there is a fatality, substantial property damage, or which involve a passenger train.



- Pipeline accidents in which there is a fatality, significant environmental or property damage.

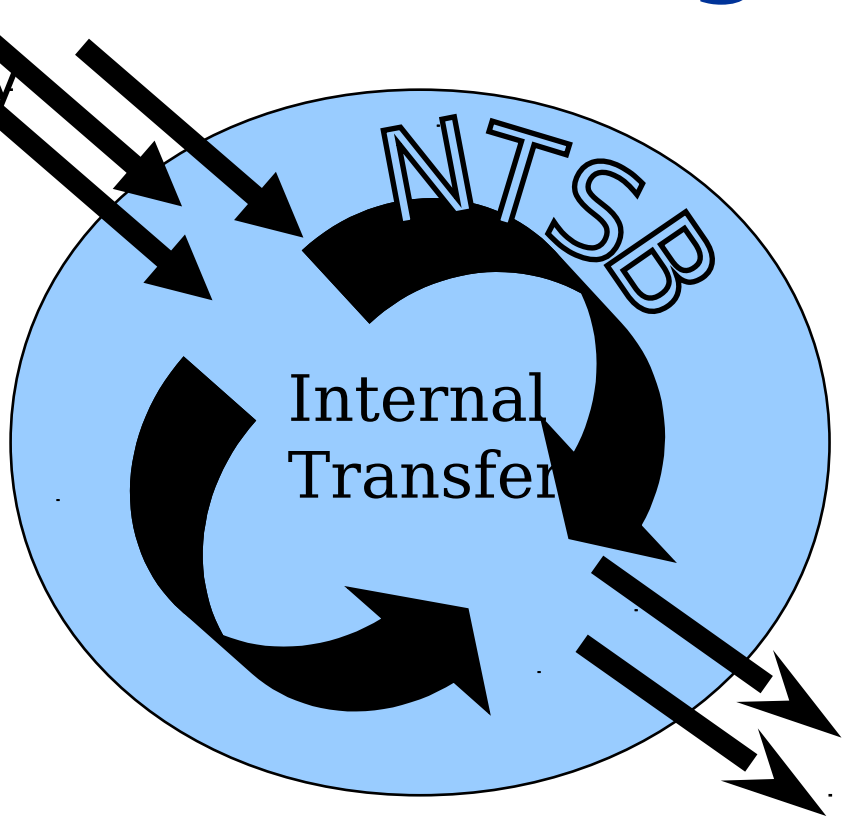
- Transportation accidents involving the release of hazardous materials, including fatal accidents or those causing major disruptions to a community.

Other NTSB Responsibilities

- Maintains official civil aviation accident database.
- Acts as the appeals court for airmen, air carriers and mariners.
- Provides family assistance following accidents.

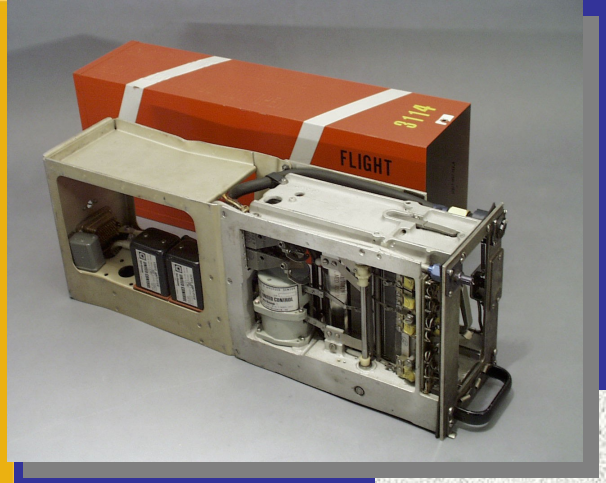
Flow of Information and Technologies

Technology
Accidents
Experts
Testing



Information
Recommendations
Investigation
Techniques

Flight Operations and Quality Assurance (FOQA)

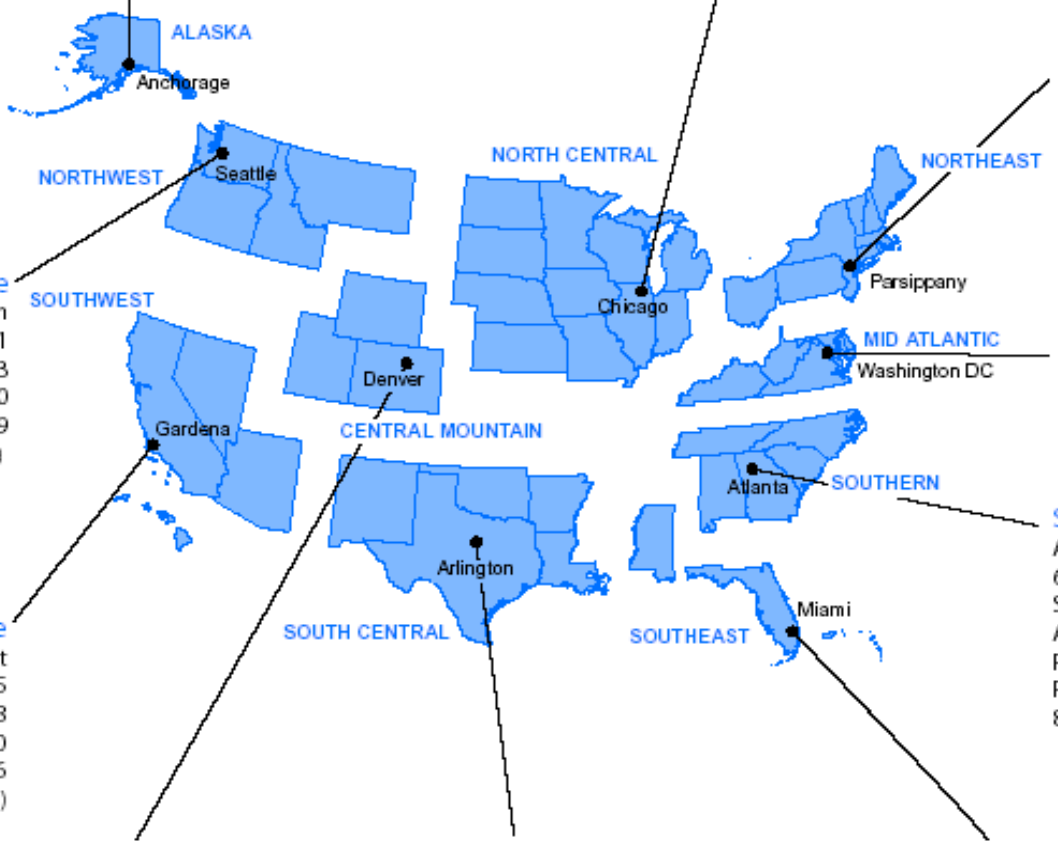

FLIGHT

FLIGHT
RECORDER
DO NOT OPEN

GAIN

Parameter: FFD - V Speed/VFA Sel
List by: Type Alphabetical
Data Type: Raw Converted
Parameter Types:
Acceleration
Attitude
Auto-Pilot
Brakes
Control Surface
Discrete
Discrete: Auto Pilot
Parameter Names:
ND-Position Miscompare
ND-Predict Wshear-Alert
ND-Predict Wshear-Warn
ND-VOR Mode Sel
ND-Wx Radar
PFD-ALT Fail
PFD-ALT Miscompare

Information Sharing Within NTSB



Alaska Regional Office

222 West 7th Avenue
Room 216, Box 11
Anchorage, Alaska 99513
Phone: 907-271-5001
FAX: 907-271-3007
8 a.m.-4:30 p.m (Alaska)

North Central Regional Office

31 West 775 North Avenue
West Chicago, Illinois 60185
Phone: 630-377-8177
FAX: 630-377-8172
7:30 a.m.-4 p.m. (Central)

Northeast Regional Office

2001 Route 46
Suite 504
Parsippany, New Jersey 07054
Phone: 973-334-6420
FAX: 973-334-6759
8:30 a.m.-5 p.m. (Eastern)

Northwest Regional Office

19518 Pacific Highway South
Room 201
Seattle, Washington 98188-5493
Phone: 206-870-2200
FAX: 206-870-2219
8 a.m.-4:30 p.m (Pacific)

Mid-Atlantic Regional Office

490 L'Enfant Plaza, S.W.
Washington, D.C. 20594
Phone: 202-314-6320
FAX: 202-314-6329
8:30 a.m.-5 p.m. (Eastern)

Southern Regional Office

Atlanta Federal Center
60 Forsyth Street, SW
Suite 3M25
Atlanta, Georgia 30303-3104
Phone: 404-562-1666
FAX: 404-562-1674
8 a.m.-4:30 p.m. (Eastern)

Southwest Regional Office

1515 W. 190th Street
Suite 555
Gardena, California 90248
Phone: 310-380-5660
FAX: 310-380-5666
7 a.m.-3:30 p.m. (Pacific)

Central Mountain Regional Office

4760 Oakland Street
Suite 500
Denver, Colorado 80239
Phone: 303-361-0600
FAX: 303-361-0619
7:30 a.m.-4 p.m (Mountain)

South Central Regional Office

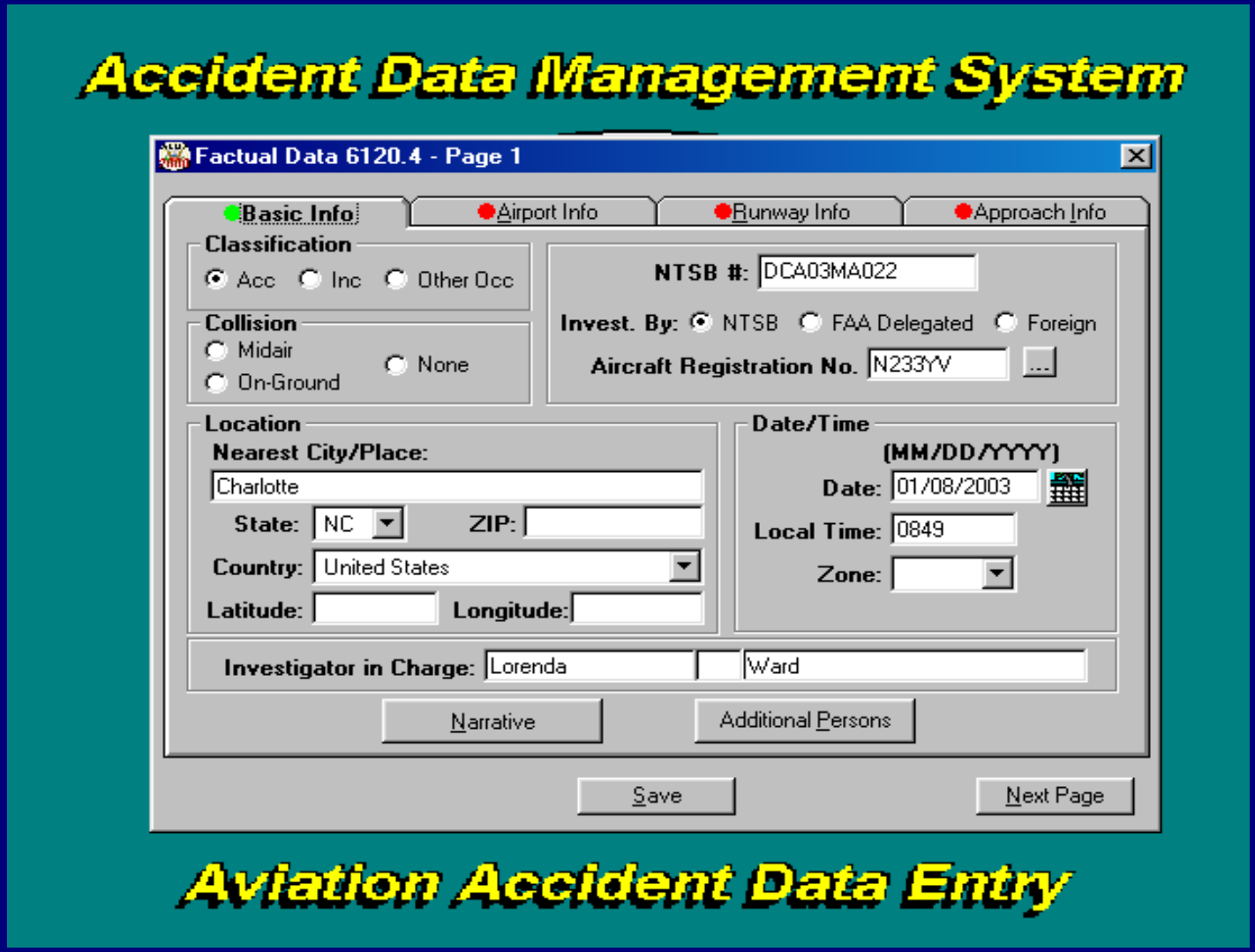
624 Six Flags Drive
Suite 150
Arlington, Texas 76011
Phone: 817-652-7800
FAX: 817-652-7803
7:30 a.m.-4 p.m. (Central)

Southeast Regional Office

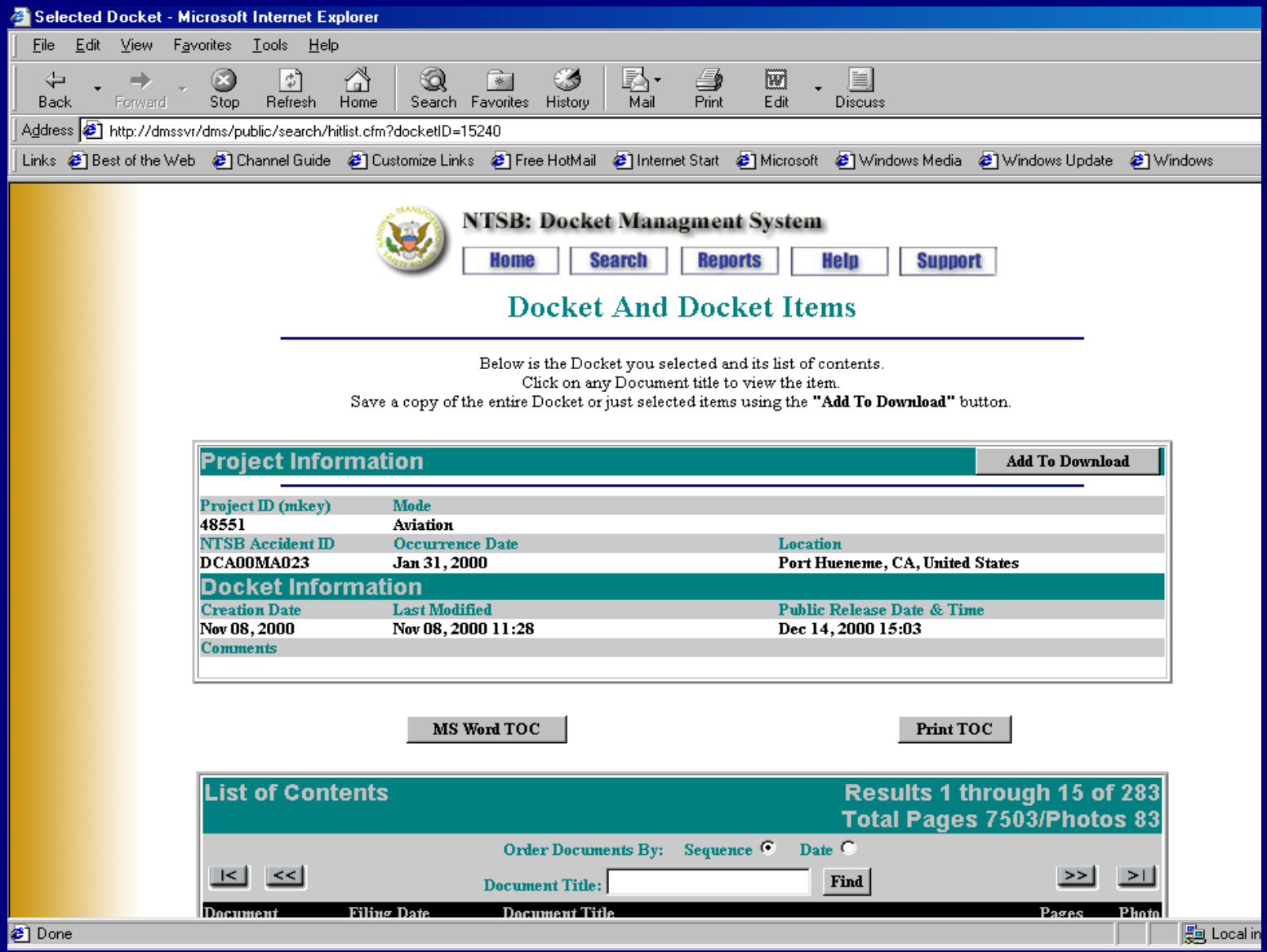
8405 N.W. 53rd Street
Suite B-103
Miami, Florida 33166
Phone: 305-597-4610
FAX: 305-597-4614
8 a.m.-4:30 p.m. (Eastern)

NTSB Communications Center

Aviation Accident Data



NTSB Docket Management Sys


Selected Docket - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss
Address http://dmssvr/dms/public/search/hitlist.cfm?docketID=15240
Links Best of the Web Channel Guide Customize Links Free HotMail Internet Start Microsoft Windows Media Windows Update Windows
NTSB: Docket Managment System
Home Search Reports Help Support
Docket And Docket Items
Below is the Docket you selected and its list of contents.
Click on any Document title to view the item.
Save a copy of the entire Docket or just selected items using the "Add To Download" button.
Project Information
Add To Download
Project ID (mkey)
48551
Mode
Aviation
NTSB Accident ID
DCA00MA023
Occurrence Date
Jan 31, 2000
Location
Port Hueneme, CA, United States
Docket Information
Creation Date
Nov 08, 2000
Last Modified
Nov 08, 2000 11:28
Public Release Date & Time
Dec 14, 2000 15:03
Comments
MS Word TOC
Print TOC
List of Contents
Results 1 through 15 of 283
Total Pages 7503/Photos 83
Order Documents By: Sequence Date
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Find
Document
Filing Date
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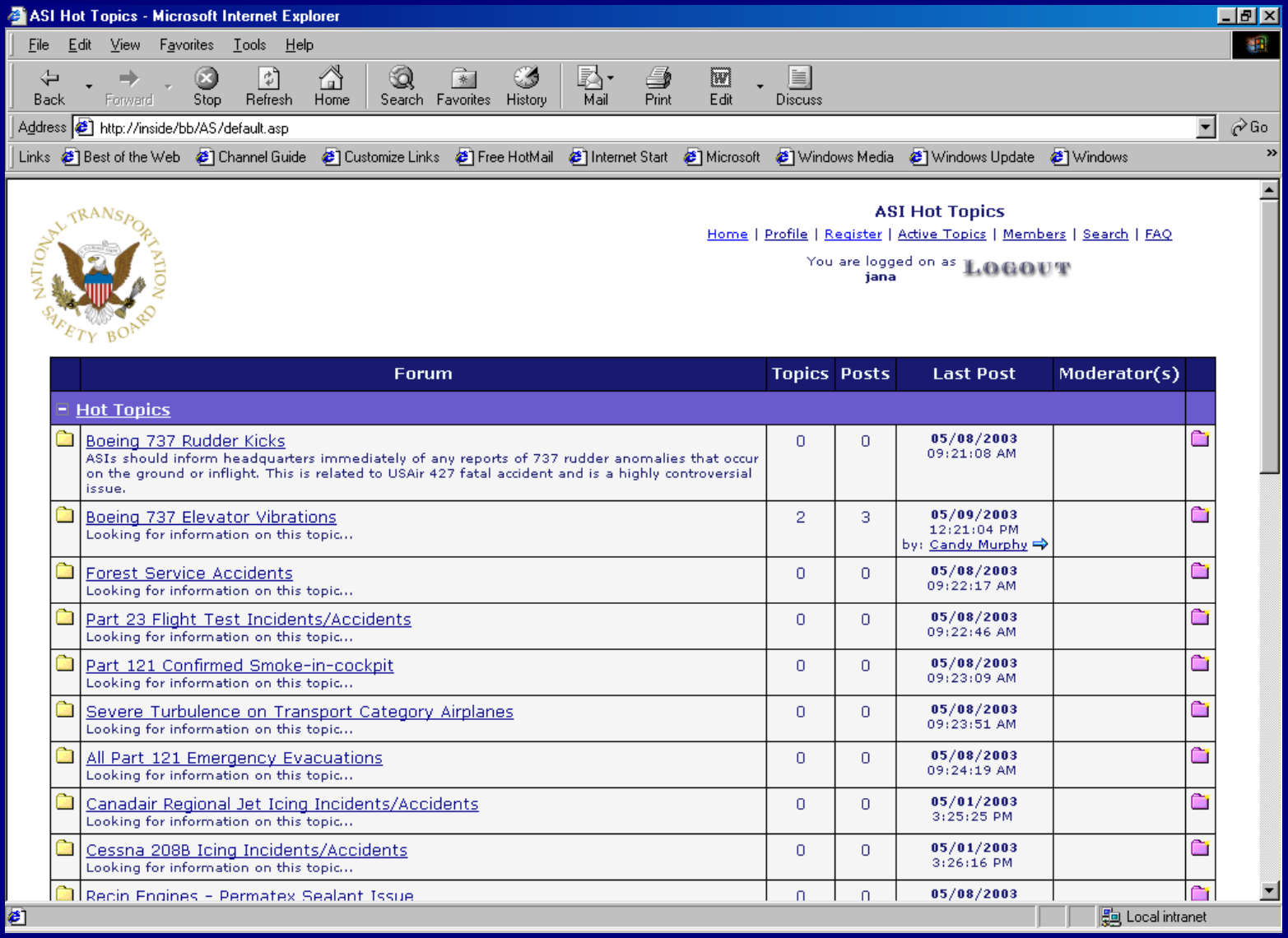
Pages
Photo
Done

NTSB Hot Topics


ASI Hot Topics - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorites History Mail Print Edit Discuss
Address http://inside/bb/AS/default.asp
Go
Links Best of the Web Channel Guide Customize Links Free HotMail Internet Start Microsoft Windows Media Windows Update Windows
ASI Hot Topics
Home | Profile | Register | Active Topics | Members | Search | FAQ
You are logged on as jana
LOGOUT
Forum
Topics
Posts
Last Post
Moderator(s)
Hot Topics
Boeing 737 Rudder Kicks
ASIs should inform headquarters immediately of any reports of 737 rudder anomalies that occur on the ground or inflight. This is related to USAir 427 fatal accident and is a highly controversial issue.
0 0 05/08/2003 09:21:08 AM
Boeing 737 Elevator Vibrations
Looking for information on this topic...
2 3 05/09/2003 12:21:04 PM by: Candy Murphy
Forest Service Accidents
Looking for information on this topic...
0 0 05/08/2003 09:22:17 AM
Part 23 Flight Test Incidents/Accidents
Looking for information on this topic...
0 0 05/08/2003 09:22:46 AM
Part 121 Confirmed Smoke-in-cockpit
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Severe Turbulence on Transport Category Airplanes
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All Part 121 Emergency Evacuations
Looking for information on this topic...
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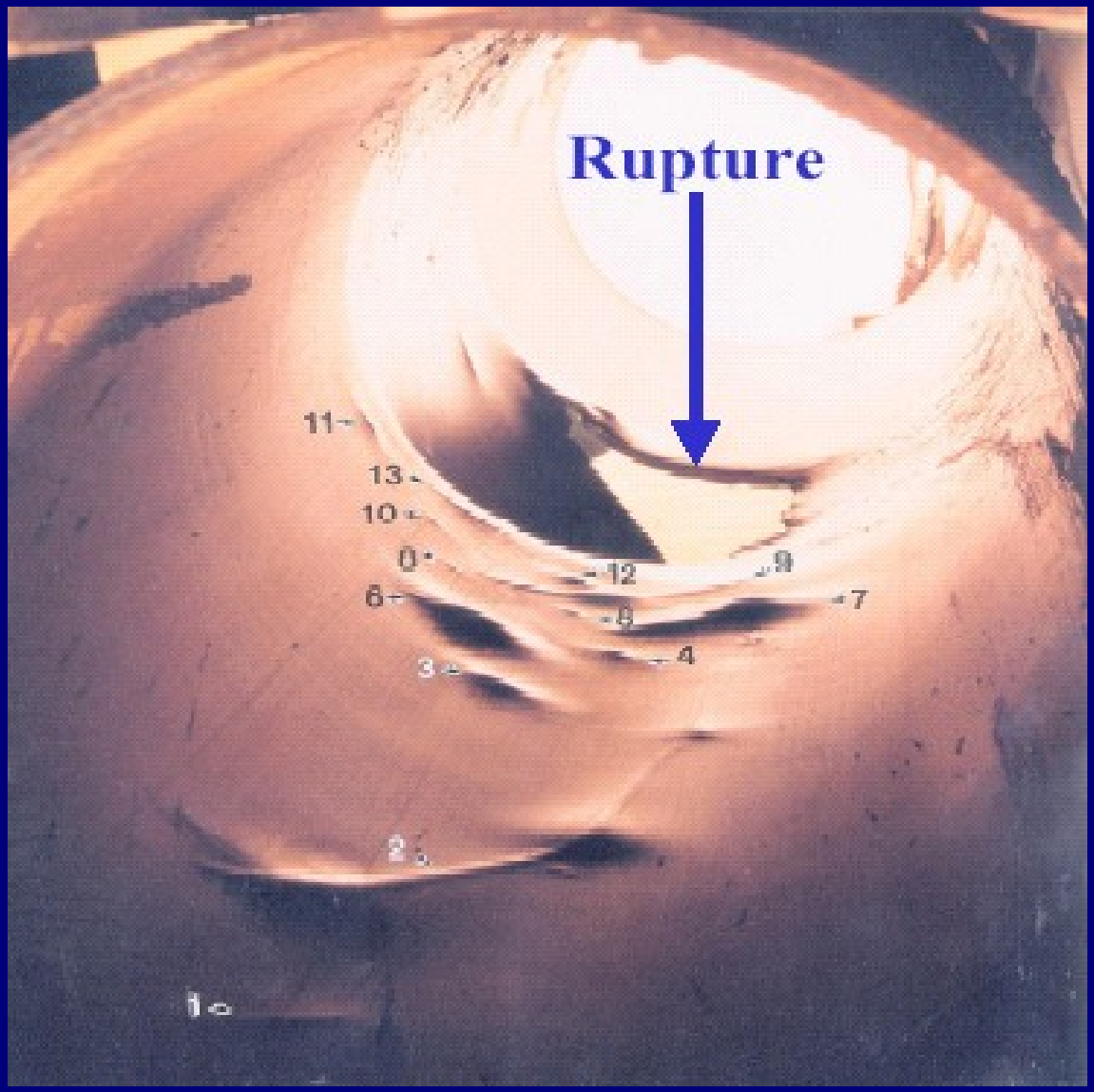
Canadair Regional Jet Icing Incidents/Accidents
Looking for information on this topic...
0 0 05/01/2003 3:25:25 PM
Cessna 208B Icing Incidents/Accidents
Looking for information on this topic...
0 0 05/01/2003 3:26:16 PM
Recip Engines - Permatex Sealant Issue
0 0 05/08/2003
Local intranet

NTSB use of external information resources and technologies

American- 587 Ground Test

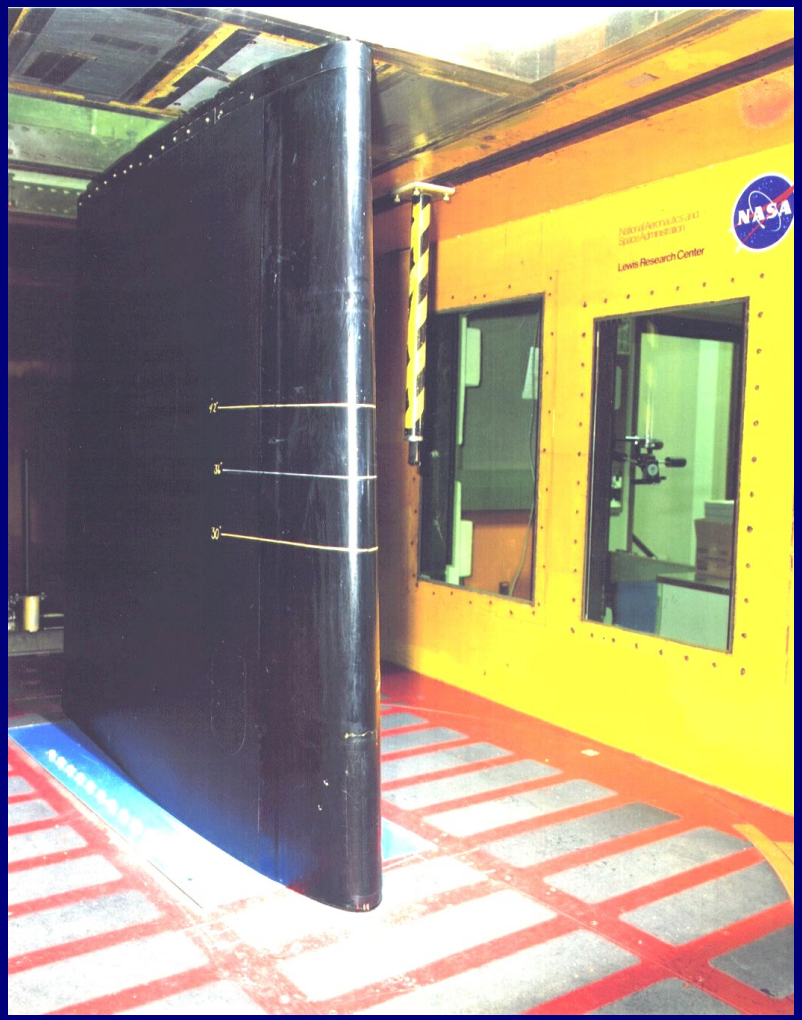
American 587- Use of Virtual Motion Simulator at NASA Ames

Bellingham Pipeline Accident


Rupture
11
13
10
0
12
9
6
7
8
4
3
2
1

EMB-120 WING SECTION

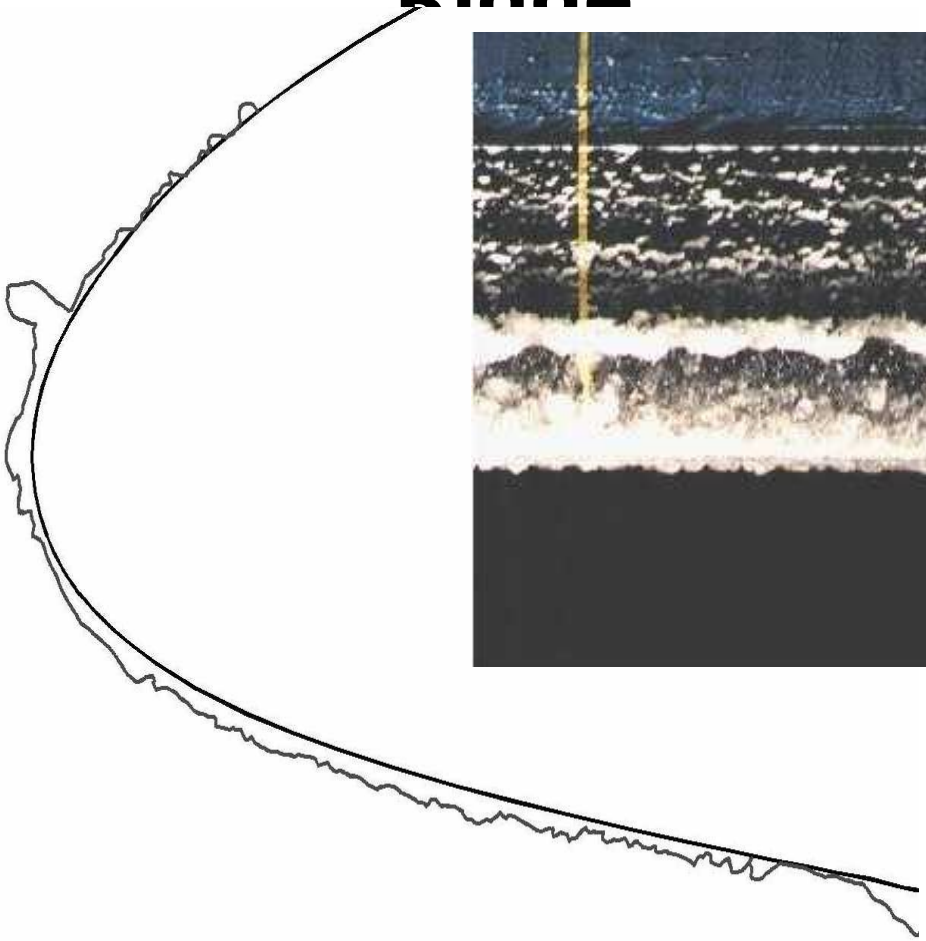
Installed in NASA Icing Research Tunnel

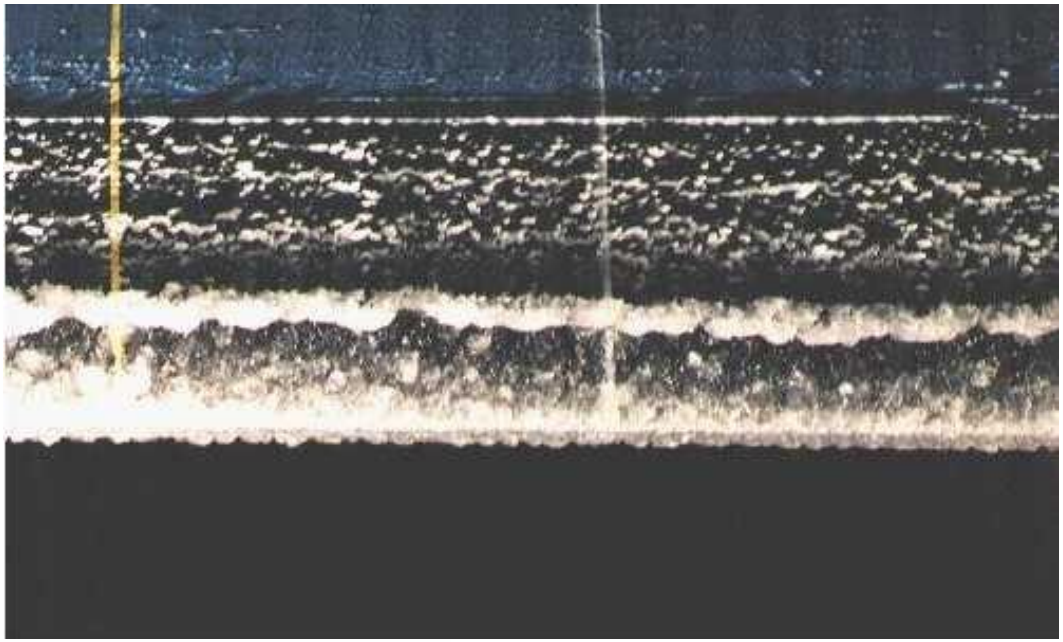


- Full Scale EMB-120 Wing Section
- De-ice boot installed on model

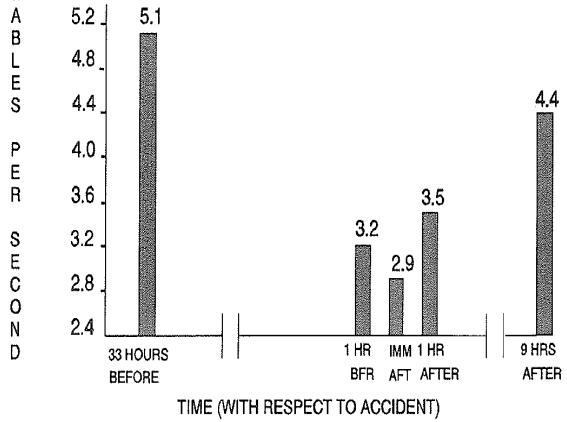
Resultant Ice Shapes

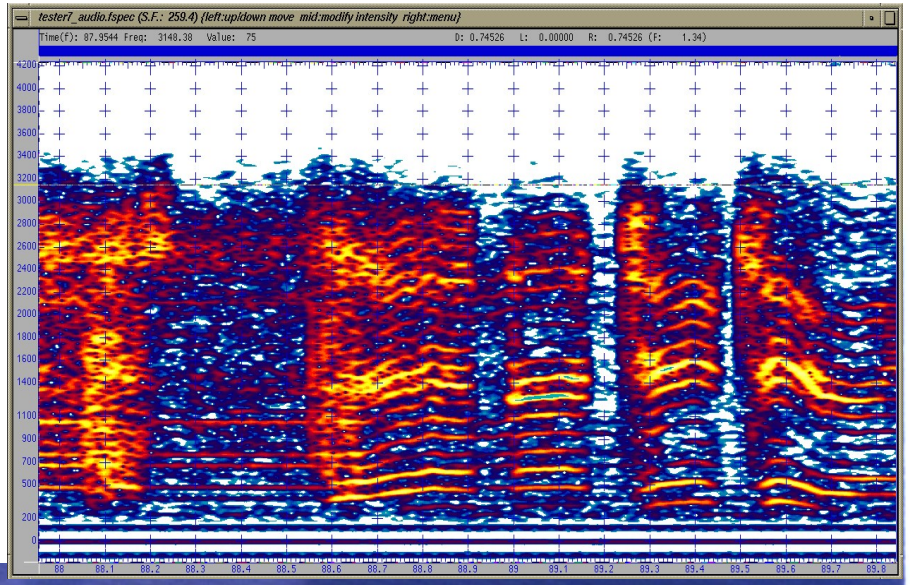
- Front Edge of Wing
- Rough Ice with Ridge





Speech Analysis for Exxon Valdez

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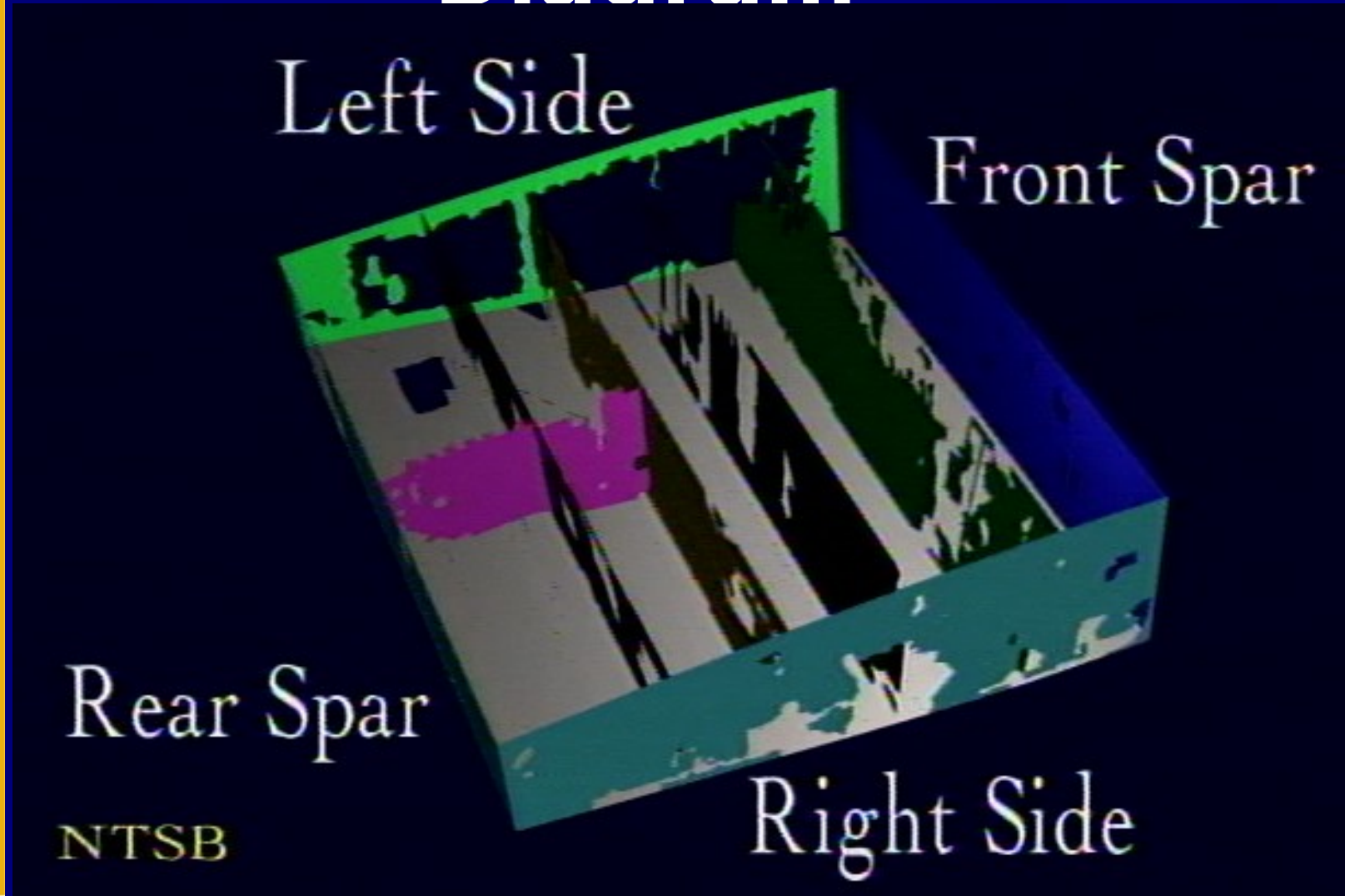
TWA 800

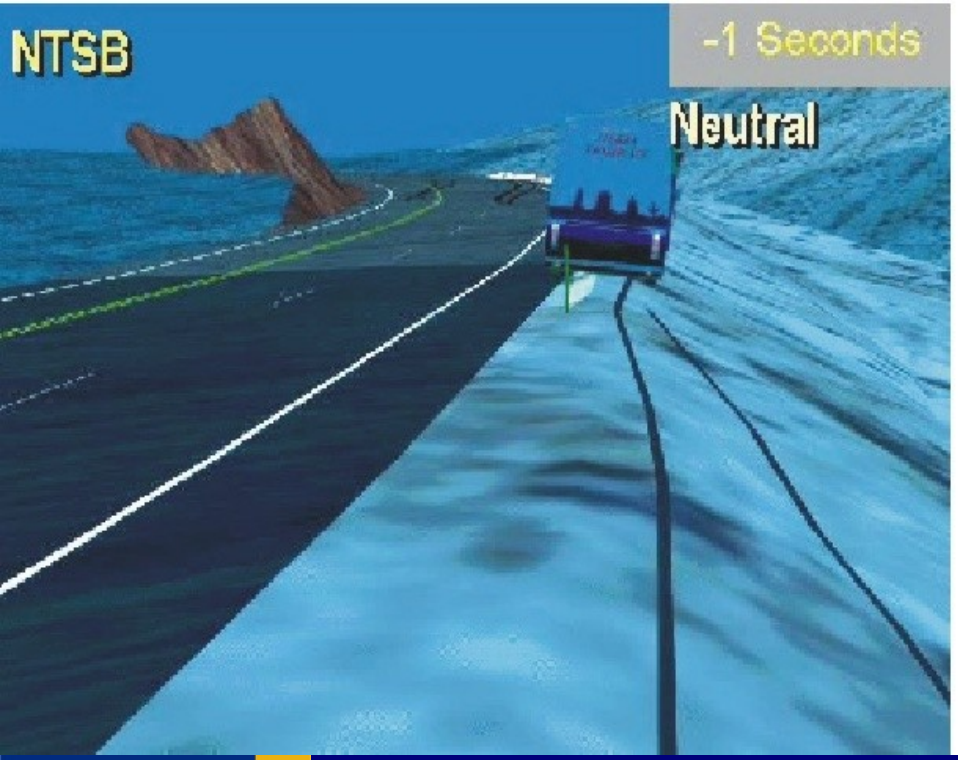
TWA 800 Computer Aided Design Diagram



Conasauga, Tennessee
March 28, 2000

NTSB

Engine Data Recorders



USAir 427 Accident

Flight 427 Reversal Event
NTSB

Royal Majesty's Integrated Control Bridge

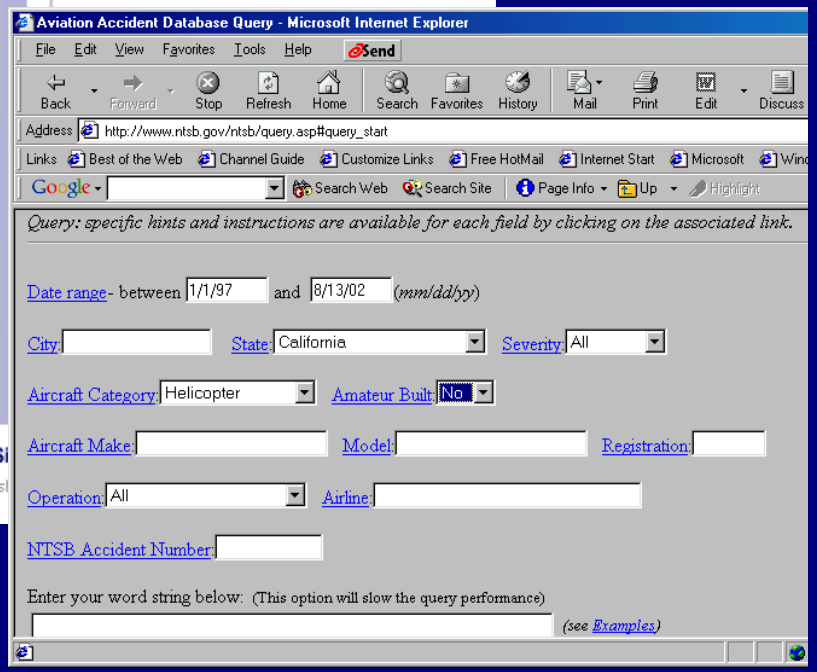
American Airlines Flight 965 Accident in Cali, Colombia

Shady Grove Metro Accident

How NTSB Shares information with others

NTSB Publications

NTSB Website


Aviation Accident Database Query - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Address http://www.ntsb.gov/ntsb/query.asp#query_start
Query: specific hints and instructions are available for each field by clicking on the associated link.
Date range - between 1/1/97 and 8/13/02 (mm/dd/yy)
City:
State: California
Severity: All
Aircraft Category: Helicopter
Amateur Built: No
Aircraft Make:
Model:
Registration:
Operation: All
Airline:
NTSB Accident Number:
Enter your word string below: (This option will slow the query performance)
(see Examples)

NTSB Academy

Academy Laboratory

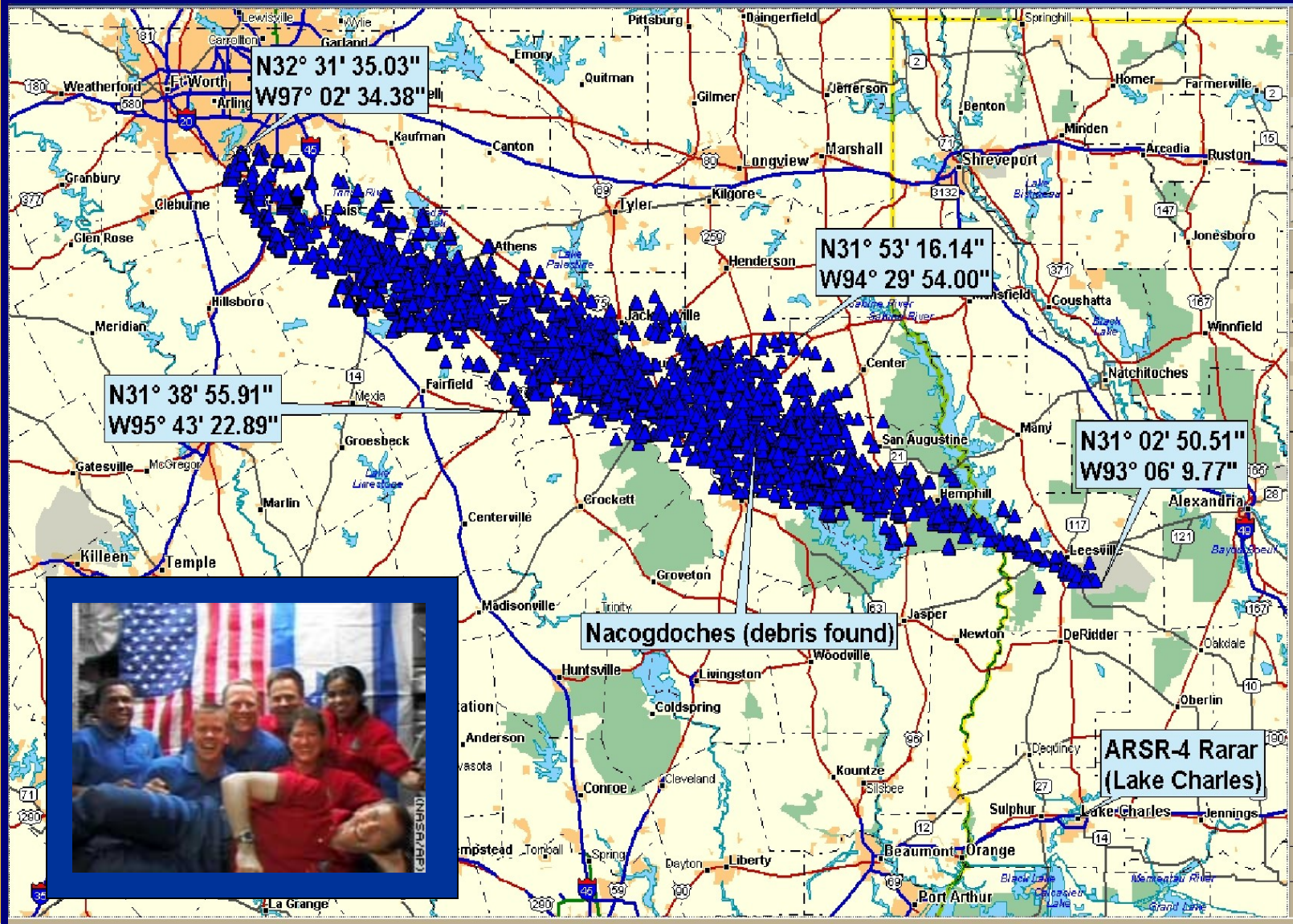
Law Enforcement Partnership

Foreign Accidents

9/11 Assistance

9/11 Assistance

NASA Columbia Trajectory Assistance & Media



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